



Consult factory for available insert arrangements.

**APPLICATION NOTES**

1. Material/ Finishes:  
 Barrel, Coupling Nut - See Table II  
 (Composite Coupling Nut - No Plating Required).  
 Insulators- High Grade Rigid Dielectric/ N.A  
 Seals- Fluorosilicone/ N.A.
2. Assembly to be identified with Glenair's name, part number and date code space permitting.
3. Insert arrangement in accordance with MIL-STD-1560.
4. Insert arrangement shown is for reference only.
5. Blue Color Band indicates rear release retention system.
7. Metric Dimensions (mm) are indicated in parentheses.

**233-105-G6**  
**MIL-DTL-38999 Series III Type**  
**Environmental Plug Connector**



| TABLE II: FINISH |                 |                                       |         |
|------------------|-----------------|---------------------------------------|---------|
| SYM              | MATERIAL        | FINISH                                | MIL SYM |
| ME               | Aluminum        | Electroless Nickel                    | F       |
| NF               |                 | Cadmium O.D. Over Electroless Nickel  | W       |
| ZN               |                 | Zinc Ni, Olive Drab                   | Z       |
| ZE               |                 | Zinc Ni, No Chromate                  |         |
| ZR               |                 | Zinc Ni, Black (Tri-Valent CR)        |         |
| AL               |                 | Pure-Dense Electro-Deposited Aluminum | P       |
| MT               |                 | Ni-PTFE 1000 Hour Grey™               | T       |
| XM               | Composite       | Electroless Nickel                    | M       |
| XMT              |                 | Ni-PTFE 1000 Hour Grey™               |         |
| XO               |                 | No Finish                             |         |
| XW               |                 | Cadmium O.D. over Electroless Nickel  | J       |
| Z1               | Stainless Steel | Passivate                             |         |
| ZC               |                 | Zinc Colbalt                          |         |
| ZL               |                 | Electro-Deposited Nickel              |         |
| ZW               |                 | Cadmium O.D. over Nickel              |         |
| AB               | Marine Bronze   | None (Clean Only)                     |         |

\*Consult Factory for Additional Plating Options

D

| TABLE III: SHELL SIZE |            |              |              |                     |
|-----------------------|------------|--------------|--------------|---------------------|
| Shell Size Code       | Shell Size | CC Max Dia   | DD Max Dia   | EE Thread           |
| A                     | 09         | .811 (20.6)  | .858 (21.8)  | M12 x 1.0-6g 0.100R |
| B                     | 11         | .929 (23.6)  | .984 (25.0)  | M15 x 1.0-6g 0.100R |
| C                     | 13         | 1.110 (28.2) | 1.157 (29.4) | M18 x 1.0-6g 0.100R |
| D                     | 15         | 1.232 (31.3) | 1.280 (32.5) | M22 x 1.0-6g 0.100R |
| E                     | 17         | 1.358 (34.5) | 1.406 (35.7) | M25 x 1.0-6g 0.100R |
| F                     | 19         | 1.469 (37.3) | 1.516 (38.5) | M28 x 1.0-6g 0.100R |
| G                     | 21         | 1.594 (40.5) | 1.642 (41.7) | M31 x 1.0-6g 0.100R |
| H                     | 23         | 1.720 (43.7) | 1.768 (44.9) | M34 x 1.0-6g 0.100R |
| J                     | 25         | 1.843 (46.8) | 1.890 (48.0) | M37 x 1.0-6g 0.100R |